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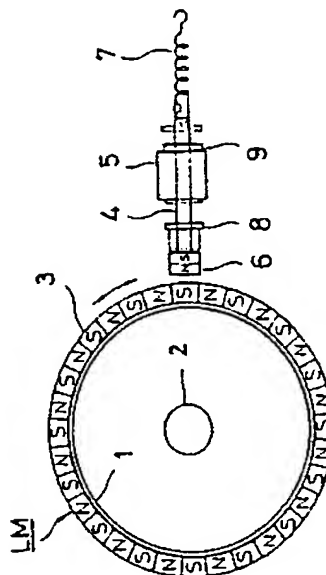
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TITLE : ACTUATOR DEVICE



ABSTRACT : PURPOSE: To suitably lock/unlock an ejecting mechanism, etc., by positioning an actuator at a different position by means of the suction force of a magnetic circuit member and the energizing force of an energizing member caused by the rotating/stopping operation of a motor.

CONSTITUTION: A rotor 1 to rotate by interlocking with the rotation of a motor LM, an actuator 4, which is fitted so as to reciprocally move in a radial direction, and a coil spring 7, which energizes the actuator 4 in a direction to move away from the rotor 1, are provided. The energizing force of the spring 7 is set at larger than the suction force of permanent magnets 3 and 6 when the rotor 1 rotates, and set at smaller than the suction force when the rotor 1 stops. Consequently, when the motor LM rotates, a stopper 8 of the actuator 4 abuts on a guide 5 to be a turned-on mode, when the motor LM stops, a stopper 8 abuts on the guide 5 to be a turned-off mode. Thus, the ejecting mechanism can be correctly locked and unlocked.

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